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Suite 350, 117 Centrepointhe Drive
Nepean, Ontario
Canada K2G 6X3
Tel (613) 274-7272 · Fax (613) 274-7414
Web: www.ipatent4u.com
Email: info@ipatent4u.com



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DATE: October 30, 2003 **NO. OF PAGES INCL THIS PAGE:** 26
TO: United States Patent Office **FAX NO.:** 703-872-9318
ATTN: Examiner Shun K. Lee **GROUP ART UNIT:** 2878
FROM: Gordon Freedman **FAX NO.:** (613) 274-7414
RE: Response to Office Action
U.S. Patent Application No. 09/836,464
Filed: April 18, 2001
Inventors: Liu
Our File: 11258-01 US

CERTIFICATION OF FACSIMILE TRANSMISSION UNDER 37 CFR 1.8

I hereby certify that a response to Office Action mailed July 29, 2003 attached hereto is being transmitted to the United States Patent and Trademark Office, TC 2800, on the date shown below.

A handwritten signature in cursive script, appearing to read 'Beth Hewitt', is written over a horizontal line.

Beth Hewitt

October 30, 2003

Date

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Patent Application Of: Hui Chun Liu

Our File No: 11258-01 US

Application No: 09/836,464

Art Unit: 2878

Filing Date: April 18, 2001

Examiner: Lee, Shun K.

Title: Room Temperature Quantum Well Infrared Detector

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October 30, 2003

Mail Stop Non-Fee Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450**Amendment**

Sir,

This is in response to the Office Action mailed on July 30, 2003. Please amend the above-identified application as follows:

Amendments to the Specification begin on page 2 of this paper.

Amendments to the Claims are reflected in the listing of claims which begins on page 5 on this paper.

Amendments to the Abstract begin on page 9 of this paper.

Amendments to the Drawings begin on page 10 of this paper and include and include a set of replacement drawing sheets.

Remarks/Arguments begin on page 11 of this paper.

The amended drawing figures are attached following page 21 of this paper.